September 16, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
                                            Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
                                            CPC, OPC, and WPC

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of September 19, 2016:

RFC #731 - WK34_verification v1.0.1 – Make minor changes to logging
statements. There are no changes to the app's functionality. Problems are now
noted in output to STDOUT as well as STDERR to help users not on the log email
list diagnose problems. Also make minor edits to wording of the messages. To be
implemented on September 20 at 1200Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of September 19, 2016
may affect CPC:

None

The following NCO RFCs are in progress and may affect CPC:

None

The following NCO RFCs which may affect CPC were delayed:

RFC #2248 - Modify the Dataflow mirror utility on NCOSRV to bring in additional NESDIS data (burn files and Arctic images) at the request of CPC and WPC. Was to be implemented on August 25 at 1400Z; postponed to September 6 at 1400Z due to CWD; now on hold due to an issue NESDIS had in populating the DDS with the new data. New implementation date is TBD.

The following NCO RFCs that may affect CPC were withdrawn:

RFC #2313 - Make a redirect request for CPC. This will affect all web site users. Developers/admins want the CPC website to go from www-origin.cpc.noaa.gov to www.cpc.noaa.gov to lessen load on the web servers and enable Akamai to do caching better. This was implemented on September 15 at 1400Z but the redirect portion wasn't working as expected so the change was backed out. This RFC was withdrawn on September 16 and a new RFC will be submitted after additional testing is performed to see what was incorrect with the original change.

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of September 19, 2016:

None

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of September 19, 2016 may affect OPC:

RFC #2329 – ens_tracker v1.1.9 - Ensemble tropical cyclone tracker and genesis jobs utilizing UKmet deterministic forecast data will be added to the ens_tracker package. At this time, the output tracks will only be sent to NHC's local directory on WCOSS. To be implemented on September 20 at 1330Z.

RFC #2330 – genesis_tracker v3.4.4 – The FNMOC tracker job is being added to the genesis_tracker family to extract tracks from FENS twice a day. The FNMOC deterministic model NAVGEM data location has been moved to /dcom/us007003. The tracker needs to be modified accordingly. To be implemented on September 20 at 1400Z.

The following NCO RFCs are in progress and may affect OPC:

None

The following NCO RFCs which may affect OPC were delayed:

RFC #2240 – product processor v1.1.0 - The production product parser for forecast.weather.gov is currently ignoring products that are corrections. This is a bug fix so that WWA (Watches/Warning/Advisory) corrections (COR) will show up on forecast.weather.gov. Was to be implemented on August 23 at 1400Z; postponed to September 7 at 1400Z due to CWD; postponed again to September 26 at 1400Z due to developer availability.

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of September 19, 2016:

None

The following RFCs are in progress:

RFC #708 - The Day 4-7 Winter Weather scripts will be upgraded. The cron scripts which run on the Compute Farm and the interactive scripts run by WPC forecasters will be altered to synchronize times stamps for NDFD delivery. Code will also be added to the interactive script run by the forecasters to convert grid files to grib2, and disseminate via DBNET Alert to NCO-Silver Spring. Implementation began on August 18 at 1600Z and was scheduled to be completed by September 1; new completion date is September 22.

RFC #719 - WPC Winter Weather Desk Scripts wwx_mdl.sh, wwx_ecens.sh v2016.08.22 - Upgrade the WPC winter weather ensemble to: 1.) add all 21 GEFS ensemble members at half-degree resolution; 2.) add ARW and NMMB high-resolution window runs; and 3.) improve the freezing rain ice liquid ratio using the Freezing Rain Accumulation Model (FRAM). The winter weather ensemble is used to generate WPC's probabilistic winter weather products and probabilistic QPF products. Was to be implemented on August 22 at 1300Z ; delayed to September 12 at 1300Z to allow for adjustments to be made to the new script and allow for additional testing. This should be completed by September 23.

The following NCO RFCs to be implemented the week of September 19, 2016 may affect WPC:

RFC #2329 – ens_tracker v1.1.9 - Ensemble tropical cyclone tracker and genesis jobs utilizing UKmet deterministic forecast data will be added to the ens_tracker package. At this time, the output tracks will only be sent to NHC's local directory on WCOSS. To be implemented on September 20 at 1330Z.

RFC #2330 – genesis_tracker v3.4.4 – The FNMOC tracker job is being added to the genesis_tracker family to extract tracks from FENS twice a day. The FNMOC deterministic model NAVGEM data location has been moved to /dcom/us007003. The tracker needs to be modified accordingly. To be implemented on September 20 at 1400Z.

The following NCO RFCs are in progress and may affect WPC:

None

The following NCO RFCs which may affect WPC were delayed:

RFC #2240 – product processor v1.1.0 - The production product parser for forecast.weather.gov is currently ignoring products that are corrections. This is a bug fix so that WWA (Watches/Warning/Advisory) corrections (COR) will show up on forecast.weather.gov. Was to be implemented on August 23 at 1400Z; postponed to September 7 at 1400Z due to CWD; postponed again to September 26 at 1400Z due to developer availability.

RFC #2248 - Modify the Dataflow mirror utility on NCOSRV to bring in additional NESDIS data (burn files and Arctic images) at the request of CPC and WPC. Was to be implemented on August 25 at 1400Z; postponed to September 6 at 1400Z due to CWD; now on hold due to an issue NESDIS had in populating the DDS with the new data. New implementation date is TBD.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

 Users who wish to view their network utilization via the Scrutinizer   appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.